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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN
NEWS	40	May 19	Simultaneous left and right truncation added to WSCA
NEWS	41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	42	Jun 06	Simultaneous left and right truncation added to CBNB

NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'CAPLUS' ENTERED AT 15:10:29 ON 16 JUN 2003  
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FILE COVERS 1907 - 16 Jun 2003 VOL 138 ISS 25  
FILE LAST UPDATED: 15 Jun 2003 (20030615/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s saxifraga and poultry  
348 SAXIFRAGA  
20911 POULTRY  
8 POULTRIES  
20916 POULTRY  
(POULTRY OR POULTRIES)  
L1 5 SAXIFRAGA AND POULTRY

=> d L1 1-5 ibib abs hitrn

L1 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:769645 CAPLUS

DOCUMENT NUMBER: 137:283985  
 TITLE: Cosmetics containing peptides, mucopolysaccharides, and plant extracts  
 INVENTOR(S): Yamamoto, Tsukasa; Nakamura, Masumi  
 PATENT ASSIGNEE(S): Shizen K. K., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002293747	A2	20021009	JP 2001-96999	20010329
PRIORITY APPLN. INFO.:			JP 2001-96999	20010329

AB This invention relates to skin preps. comprising sol. egg shell membranes, mucopolysaccharides, amino acids, and plant-originated substances which may have skin-lightening, anti-inflammatory, anti-allergic, and anti-oxidn. activities. For example, a skin-lightening lotion contained sol. egg shell membrane 0.2, Na hyaluronate 0.1, **Saxifraga** exts. 0.5, soybean exts. 1, 1,3-butylene glycol 5, polyoxyethylene glyceryl isostearate 0.5, pH modifiers q.s., perfumes q.s., preservatives q.s., and distd. water balance to 100 %.

L1 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:547219 CAPLUS  
 DOCUMENT NUMBER: 137:114233  
 TITLE: Cosmetic compositions containing elastins, collagens, umbilical cord extracts, etc., and polyphenols  
 INVENTOR(S): Ohara, Mitsuharu; Kawai, Tokuhisa  
 PATENT ASSIGNEE(S): Ichimaru Pharcos Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 24 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002205913	A2	20020723	JP 2001-2213	20010110
PRIORITY APPLN. INFO.:			JP 2001-2213	20010110

AB The compns., which show skin-conditioning and lightening effects and hair growth-stimulating action, contain (A) .gtoreq.1 water-sol. components selected from (a) water-sol. elastins extd. from pig or horse nuchal ligament or its hydrolyzates, (b) water-sol. collagens extd. from pig or horse skin tissue or its hydrolyzates, (c) water-sol. exts. of pig or horse umbilical cord or its hydrolyzates, and (d) water-sol. exts. of hen egg or its hydrolyzates and (B) polyphenols, e.g. flavonoids, coumarins, phenylpropanoids, tannins, etc. (B) may be exts. of crude drugs, plants, fungi, microorganisms, etc., contg. polyphenols. A cream contg. 2.0% horse nuchal ligament-derived water-sol. elastin (prepn. given) and 2.0% **Saxifraga stolonifera** exts. significantly prevented UV-induced wrinkle formation in guinea pigs.

L1 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:446083 CAPLUS  
 DOCUMENT NUMBER: 137:5445  
 TITLE: Liver function protecting or improving agent  
 INVENTOR(S): Nakagiri, Ryusuke; Kamiya, Toshikazu; Hashizume, Erika; Sakai, Yasushi; Kayahashi, Shun  
 PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1213027	A2	20020612	EP 2001-129254	20011211
EP 1213027	A3	20030115		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2002275082	A2	20020925	JP 2001-376550	20011211
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PRIORITY APPLN. INFO.: JP 2000-375510 A 20001211

AB The present invention provides a liver function protecting or improving agent, foods and drinks or feeds having liver function protecting or improving activity, and additives for foods and drinks or feeds having liver function protecting or improving activity, which comprise a plant of the family Saxifragaceae or an ext. of the plant. Also provided is a method of screening for liver function protecting or improving agents.

L1 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:828867 CAPLUS

DOCUMENT NUMBER: 134:9169

TITLE: Skin preparations containing camu-camu (Myrciaria dubia) extracts and active oxygen scavengers

INVENTOR(S): Hata, Tomonori; Hoshino, Hiroshi; Uehara, Shizuka

PATENT ASSIGNEE(S): Kosei Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000327550	A2	20001128	JP 1999-138170	19990519

PRIORITY APPLN. INFO.: JP 1999-138170 19990519

AB The prepsns., which suppress lipid peroxides thus preventing skin from inflammation, pigmentation, and aging, contain (A) camu-camu exts. and (B) active O scavengers, e.g. superoxide dismutase, mannitol, carotenoids, hydroquinones, taurine, phospholipids, rutin, gallic acid, plant exts. A cream contg. camu-camu ext. (prepn. given), Melissa officinalis ext., and dl-.alpha.-tocopherol acetate showed skin-conditioning and antiaging effect. Synergistic superoxide-scavenging effects of camu-camu ext. with Scutellaria baicalensis ext. and superoxide dismutase were also shown.

L1 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:585381 CAPLUS

DOCUMENT NUMBER: 133:182770

TITLE: Antiaging cosmetics containing tomato pigments

INVENTOR(S): Uehara, Shizuka; Kameyama, Kumi; Kondo, Chiharu;

Takada, Norihisa

PATENT ASSIGNEE(S): Kosei Co., Ltd., Japan; Nippon Delmonte K. K.

SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2000229827 A2 20000822 JP 1999-28301 19990205  
PRIORITY APPLN. INFO.: JP 1999-28301 19990205  
AB The cosmetics are claimed. The tomato pigments may mainly comprise lycopene isolated by centrifugation of tomato prepns., microfiltration of the liq. parts, and collection of unfiltered substances by microfiltration. The cosmetics may addnl. contain active oxygen scavengers, antioxidants, inflammation inhibitors, UV shields, cell activators, and/or moisturizers. A cream contg. the tomato pigment was used by volunteers to lighten skin and increase elasticity.

=> s saxifraga and livestock  
348 SAXIFRAGA  
8530 LIVESTOCK  
56 LIVESTOCKS  
8546 LIVESTOCK  
(LIVESTOCK OR LIVESTOCKS)  
L2 1 SAXIFRAGA AND LIVESTOCK

=> d L2 ibib abs hitrn

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:446083 CAPLUS  
DOCUMENT NUMBER: 137:5445  
TITLE: Liver function protecting or improving agent  
INVENTOR(S): Nakagiri, Ryusuke; Kamiya, Toshikazu; Hashizume, Erika; Sakai, Yasushi; Kayahashi, Shun  
PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan  
SOURCE: Eur. Pat. Appl., 26 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1213027	A2	20020612	EP 2001-129254	20011211
EP 1213027	A3	20030115		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2002275082	A2	20020925	JP 2001-376550	20011211

PRIORITY APPLN. INFO.: JP 2000-375510 A 20001211  
AB The present invention provides a liver function protecting or improving agent, foods and drinks or feeds having liver function protecting or improving activity, and additives for foods and drinks or feeds having liver function protecting or improving activity, which comprise a plant of the family Saxifragaceae or an ext. of the plant. Also provided is a method of screening for liver function protecting or improving agents.

=> s saxifraga and fish  
348 SAXIFRAGA  
118253 FISH  
8167 FISHES  
120306 FISH  
(FISH OR FISHES)  
L3 2 SAXIFRAGA AND FISH

=> d L3 1-2 ibib abs hitrn

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2002:446083 CAPLUS  
DOCUMENT NUMBER: 137:5445

TITLE: Liver function protecting or improving agent  
 INVENTOR(S): Nakagiri, Ryusuke; Kamiya, Toshikazu; Hashizume, Erika; Sakai, Yasushi; Kayahashi, Shun  
 PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan  
 SOURCE: Eur. Pat. Appl., 26 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1213027	A2	20020612	EP 2001-129254	20011211
EP 1213027	A3	20030115		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2002275082	A2	20020925	JP 2001-376550	20011211
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PRIORITY APPLN. INFO.: JP 2000-375510 A 20001211

AB The present invention provides a liver function protecting or improving agent, foods and drinks or feeds having liver function protecting or improving activity, and additives for foods and drinks or feeds having liver function protecting or improving activity, which comprise a plant of the family Saxifragaceae or an ext. of the plant. Also provided is a method of screening for liver function protecting or improving agents.

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1946:37918 CAPLUS

DOCUMENT NUMBER: 40:37918

ORIGINAL REFERENCE NO.: 40:7325d-g

TITLE: Vitamin B1 content of Arctic plants and animal tissue

AUTHOR(S): Rodahl, Kaare

CORPORATE SOURCE: Univ. Oslo, Oslo, Norway

SOURCE: Trans. Proc. Botan. Soc. Edinburgh (1945), 34, 244-51

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB Results are given for the vitamin B1 content of the various tissues of the following Greenland mammals, birds, fish, and plants: musk ox (*Ovibos moschatus*), fjord seal (*Phoca foetida*), bearded seal (*Phoca barbata*), shark (*Somniosus microcephalus*), nerwhal (*Monodon monoceros*), salmon (*Salmo alpinus*), snow hare (*Lepus variabilis glacialis*), rock ptarmigan (*Lagopus rupestris*), glaucous gull (*Larus hyporboreus*), parasitic jaeger (*Stercorarius parasiticus*), eider duck (*Somateria mollissima*), *Honckenya peploides* (L.) Ehrh, *Salix* spp., *Saxifraga oppositifolia* L., *Betula nana* L., *Dryas octopetala* L., *Papaver radiculatum* Rottb., *Cassiope tetragona* (L.) D. Don, heather, *Arnica alpina* (L.) Olin, *Potentilla nivalis* L., *Oxyria digyna* Hill, *Epilobium angustifolium* L., *Lychnis triflora* R. Br., *Pedicularis hirsuta* L., *Armeria* spp., *Cerastium alpinum* L., *Alopecurus alpinus* Sm., *Saxifraga cernua* L., *S. nivalis* L., and *Agaricus* spp. Among the plants, only *B. nana* had a significant content of vitamin B1 (3.5 and 2.3 .gamma. per g. in the fresh buds and stems, resp.). Fresh kidneys of the bearded seal contained 7.09 .gamma. vitamin B1 per g.

=> s saxifragaceae and poultry

154 SAXIFRAGACEAE

20911 POULTRY

8 POULTRIES

20916 POULTRY

(POULTRY OR POULTRIES)

L4 1 SAXIFRAGACEAE AND POULTRY

=> d L1 ibib abs hitrn

L1 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:769645 CAPLUS  
DOCUMENT NUMBER: 137:283985  
TITLE: Cosmetics containing peptides, mucopolysaccharides,  
and plant extracts  
INVENTOR(S): Yamamoto, Tsukasa; Nakamura, Masumi  
PATENT ASSIGNEE(S): Shizen K. K., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002293747	A2	20021009	JP 2001-96999	20010329
PRIORITY APPLN. INFO.:			JP 2001-96999	20010329

AB This invention relates to skin prepns. comprising sol. egg shell membranes, mucopolysaccharides, amino acids, and plant-originated substances which may have skin-lightening, anti-inflammatory, anti-allergic, and anti-oxidn. activities. For example, a skin-lightening lotion contained sol. egg shell membrane 0.2, Na hyaluronate 0.1, **Saxifraga** exts. 0.5, soybean exts. 1, 1,3-butylene glycol 5, polyoxyethylene glyceryl isostearate 0.5, pH modifiers q.s., perfumes q.s., preservatives q.s., and distd. water balance to 100 %.

=> s sasifragaceae and livestock

0 SASIFRAGACEAE  
8530 LIVESTOCK  
56 LIVESTOCKS  
8546 LIVESTOCK  
(LIVESTOCK OR LIVESTOCKS)

L5 0 SASIFRAGACEAE AND LIVESTOCK

=> s saxifragaceae and livestock

154 SAXIFRAGACEAE  
0 LIVESTOCK

L6 0 SAXIFRAGACEAE AND LIVESTOCK

=> s saxifragaceae and livestock

154 SAXIFRAGACEAE  
8530 LIVESTOCK  
56 LIVESTOCKS  
8546 LIVESTOCK  
(LIVESTOCK OR LIVESTOCKS)

L7 1 SAXIFRAGACEAE AND LIVESTOCK

=> d L7 ibib abs hitrn

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:446083 CAPLUS  
DOCUMENT NUMBER: 137:5445  
TITLE: Liver function protecting or improving agent  
INVENTOR(S): Nakagiri, Ryusuke; Kamiya, Toshikazu; Hashizume,  
Erika; Sakai, Yasushi; Kayahashi, Shun  
PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan  
SOURCE: Eur. Pat. Appl., 26 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1213027	A2	20020612	EP 2001-129254	20011211
EP 1213027	A3	20030115		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2002275082	A2	20020925	JP 2001-376550	20011211
PRIORITY APPLN. INFO.: JP 2000-375510 A 20001211				
AB The present invention provides a liver function protecting or improving agent, foods and drinks or feeds having liver function protecting or improving activity, and additives for foods and drinks or feeds having liver function protecting or improving activity, which comprise a plant of the family <b>Saxifragaceae</b> or an ext. of the plant. Also provided is a method of screening for liver function protecting or improving agents.				

=> s saxifragaceae and fish  
154 SAXIFRAGACEAE  
118253 FISH  
8167 FISHES  
120306 FISH

(FISH OR FISHES)  
L8 2 SAXIFRAGACEAE AND FISH

=> d L8 1-2 ibib abs hitrn

L8 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:888545 CAPLUS

DOCUMENT NUMBER: 137:352000

TITLE: Production and use of a polar lipid-rich fraction containing stearidonic acid and gamma linolenic acid from plant seeds and microbes

INVENTOR(S): Kohn, Gerhard; Banzhaf, Wulf; Abril, Jesus Ruben

PATENT ASSIGNEE(S): Martek Biosciences Boulder Corporation, USA

SOURCE: PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002092073	A1	20021121	WO 2002-US15479	20020514
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.: US 2001-291484P P 20010514				
AB The prodn. and use, and in particular the extn., sepn., synthesis and recovery of polar lipid-rich fractions contg. gamma linolenic acid (GLA) and/or stearidonic acid (SDA) from seeds and microorganisms and their uses in human food applications, animal feed, pharmaceuticals and cosmetics are claimed.				
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				



L8 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:446083 CAPLUS

DOCUMENT NUMBER: 137:5445

TITLE: Liver function protecting or improving agent

INVENTOR(S): Nakagiri, Ryusuke; Kamiya, Toshikazu; Hashizume, Erika; Sakai, Yasushi; Kayahashi, Shun

PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 26 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1213027	A2	20020612	EP 2001-129254	20011211
EP 1213027	A3	20030115		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2002275082	A2	20020925	JP 2001-376550	20011211
PRIORITY APPLN. INFO.: JP 2000-375510 A 20001211				
AB The present invention provides a liver function protecting or improving agent, foods and drinks or feeds having liver function protecting or improving activity, and additives for foods and drinks or feeds having liver function protecting or improving activity, which comprise a plant of the family <b>Saxifragaceae</b> or an ext. of the plant. Also provided is a method of screening for liver function protecting or improving agents.				

=> s coccidium

L9 68 COCCIDIUM

=> s coccidium and liver

68 COCCIDIUM

483734 LIVER

33062 LIVERS

486706 LIVER

(LIVER OR LIVERS)

L10 2 COCCIDIUM AND LIVER

=> d L10 1-2 ibib abs hitrn

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:193690 CAPLUS

DOCUMENT NUMBER: 132:292871

TITLE: An improved method for the determination of sulphachloropyrazine in meat and **liver** of broilers during and after their treatment for coccidiosis

AUTHOR(S): Kostadinovic, Lj.; Pavkov, S.; Gaal, F.

CORPORATE SOURCE: Scientific Veterinary Institute, Novi Sad, 21000, Yugoslavia

SOURCE: Acta Alimentaria (1999), 28(4), 311-319

CODEN: ACALDI; ISSN: 0139-3006

PUBLISHER: Akademiai Kiado

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The paper presents results of the HPLC detn. of sulfachloropyrazine residues (active component of the drug "Esb3 30%") in muscle tissue and **liver** of broiler chickens inoculated with lab.-grown **Coccidium** in the course and after treatment with this sulfonamide.

Extn. of sulfachloropyrazine from samples of broiler muscle tissue and **liver** was carried out with a mixt. of solvents dichloromethane-methanol-acetic acid (90:5:5, vol./vol./v), followed by ext. purifn. by chromatog. sepn. on a XAD-2 column and elution of sulfachloropyrazine residues with dichloromethane. The HPLC detn. of sulfachloropyrazine residues was accomplished on a Bio Sil C-8 HL 5 .mu.m column with a mobile phase consisting of 60% aq. soln. of acetonitrile and NH3 (pH=9.5), using a UV detector at 254 nm. The method developed allows quant. detn. of the residues of the anticoccidial agent in broiler tissue samples with a detection limit of 0.02 .mu.g g-1. Recovery of the method for this type of samples with a complex matrix was satisfactory, the results ranging from 79.2 to 86.7% for muscle tissue and from 81.7 to 87.3% for **liver**.

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ACCESSION NUMBER: 1982:16504 CAPLUS

DOCUMENT NUMBER: 96:16504

TITLE: Purine metabolism in the protozoan parasite *Eimeria tenella*

AUTHOR(S): Wang, C. C.; Simashkevich, P. M.

CORPORATE SOURCE: Merck Inst. Ther. Res., Rahway, NJ, 07065, USA

SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1981), 78(11), 6618-22  
CODEN: PNASA6; ISSN: 0027-8424

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Crude exts. of the oocysts of *E. tenella*, a protozoan parasite of the **coccidium** family that develops inside the cecal epithelial cells of infected chickens, do not incorporate glycine or formate into purine nucleotides; this suggests lack of capability for de novo purine synthesis by the parasite. The exts., however, contain high levels of activity of the purine salvage enzymes: hypoxanthine, guanine, xanthine, and adenine phosphoribosyltransferases and adenosine kinase. The absence of AMP deaminase from the parasite indicates that *E. tenella* cannot convert AMP to GMP; the latter thus has to be supplied by the hypoxanthine, xanthine, or guanine phosphoribosyltransferase of the parasite. These 3 activities are assocd. with one enzyme (HXGPRTase), which was purified to near homogeneity in high yield (71-80%) in a single step by GMP-agarose affinity column chromatog. The size of the enzyme subunit is 23,000 daltons (SDS gel electrophoresis). Kinetic studies suggest differences in purine substrate specificity between *E. tenella* HXGPRTase and chicken **liver** HGPRTase. Allopurinol preferentially inhibits the parasite enzyme by competing with hypoxanthine;  $K_i$  is .apprx.22 .mu.M.